

AROMA 5500



ENGLISH
Part Code: 9BIMHEN55



RETAIN FOR FUTURE USE !

The copyright of these Instructions Manual, which are entrusted to the recipient personally, remains with the HLF company.

The content may not be disclosed or made available to any third party without the express consent of the HLF company.

These Operating Instructions must be read and applied by anyone performing work with or on the equipment described.

In particular, it is imperative that all such persons familiarise themselves with the safety instructions.

1. Description.....	1
1.1 Design.....	1
1.1.1 External description.....	1
1.1.2 Internal description.....	3
1.2 Introduction.....	4
1.2.1 The Aroma 5500 coffee maker.....	4
1.2.2 Raised bean hopper – option.....	4
1.2.3 Modem connectivity – option.....	4
1.2.4 Water tank filter – option.....	4
1.3 Technical rates	5
1.3.1 Dimensions.....	5
1.3.2 Weight.....	5
1.3.3 Electric rates.....	5
1.3.4 Machine identification.....	5
1.4 Environmental conditions.....	6
1.4.1 Temperature and humidity.....	6
1.4.2 Space requirements.....	6
2. Safety Instructions.....	7
2.1 Warnings.....	7
2.1.1 Warning symbols	7
2.1.2 Where symbols are located.....	8
2.1.3 Safety information in this Instructions Manual.....	8
2.2 Basic safety instructions.....	9
2.2.1 Proper use.....	9
2.2.1.1 General.....	9
2.2.1.2 Aroma 5500 coffee maker.....	9
2.2.2 Specific hazards and instructions.....	10
2.2.2.1 Aroma 5500 coffee maker	10

TABLE OF CONTENTS

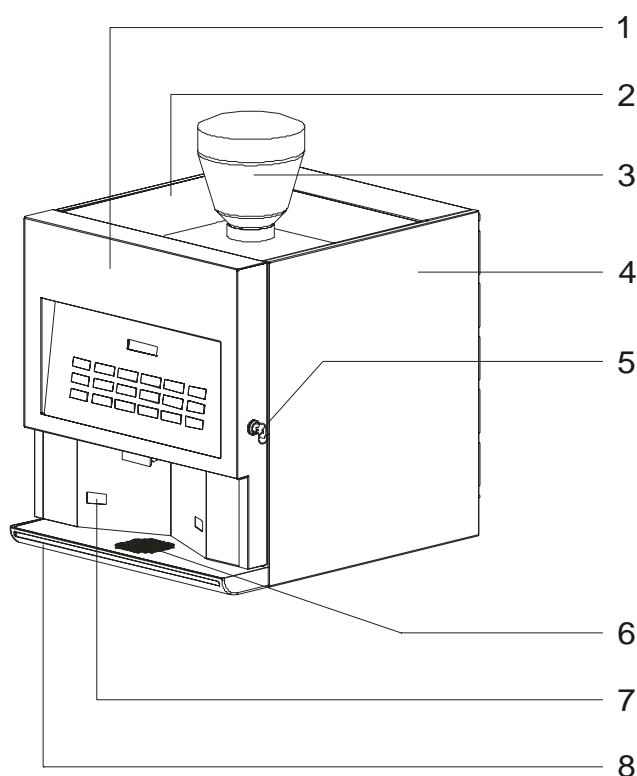
3. Installation	13
3.1 Transport	13
3.1.1 Receiving the unit.....	13
3.1.2 Unpacking	13
3.1.3 Checking the internal of the unit	15
3.1.4 Water connection..	16
3.1.5 Electric connection.	17
3.2 Start up and Operation Mode.....	18
3.2.1 Loading products.....	19
3.2.2 Turning ON the unit.....	20
3.2.3 “Press Red Button” message.....	21
3.2.4 Initial heating.....	23
3.2.5 Adjusting the coffee grinder	24
3.2.5.1 Closing the grinder’s blades.....	25
3.2.5.2 Opening the grinder’s blades.....	26
3.3 Changing the drink selection panel.....	26
3.3.1 Getting a customized selection panel.....	26
3.3.2 Installing the selection panel.....	26
4. Cleaning guide	29
4.1 Cleaning warnings.....	29
4.2 Instructions	29
4.3 How to remove and clean the coffee group.....	31
4.4 Conclusions	33
5. Operating the computer software.....	34
5.1 Gaining access to the machine software.....	34
5.2 Programming Steps.....	34

5.3 Programming Menu.....	37
5.3.1 Drink Counters.....	37
5.3.2 Function.....	39
5.3.3 Drink Number 1.....	41
5.3.4 Pre-Selection Key.....	47
5.3.5 Money Value.....	48
5.3.6 Drink Price.....	49
5.3.7 Password.....	50
5.3.8 Set Factory Data.....	51
6 Daily maintenance Check list.....	53
6.1 Check list.....	53
7 Inactivity	54
8 Disposal.....	55
9 Guarantee, consumables, spare parts, ordering procedure.....	56
9.1 Guarantee.....	56
9.2 Consumables, spare parts, ordering procedure.....	57
10. Troubleshooting.....	58
10.1 Checklist for fault diagnosis and troubleshooting.....	58
11. Software Table	60

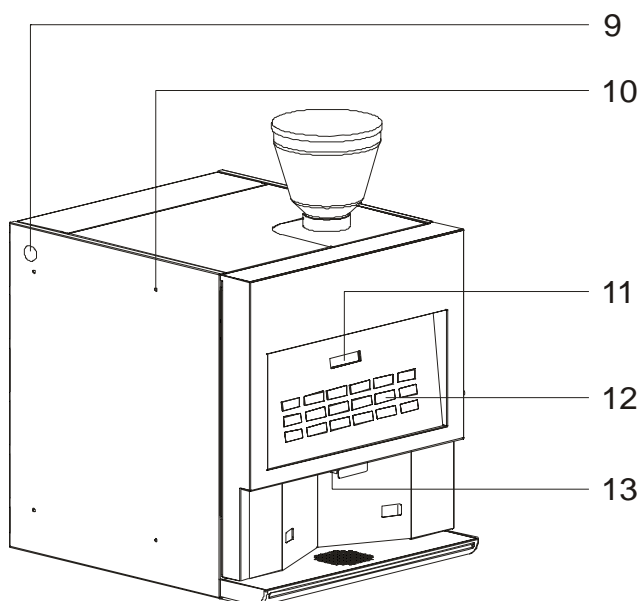
1 Description

1.1 Design

1.1.1 External description

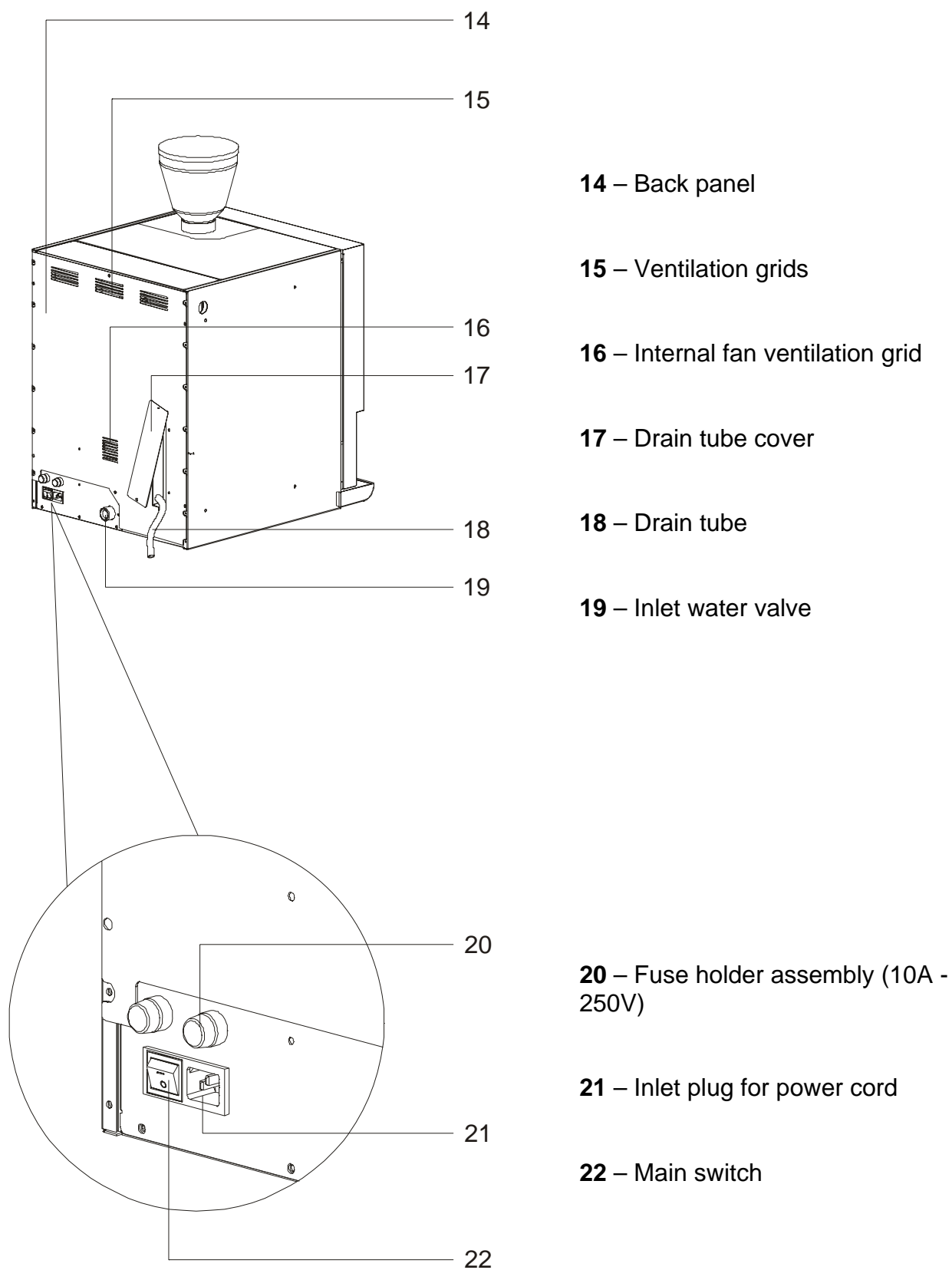


- 1** – Front door
- 2** – Top lid
- 3** – External coffee beans hopper
- 4** – Machine metal body
- 5** – Front door key lock
- 6** – Cup holder grid
- 7** – Cup sensor hole
- 8** – Drip tray

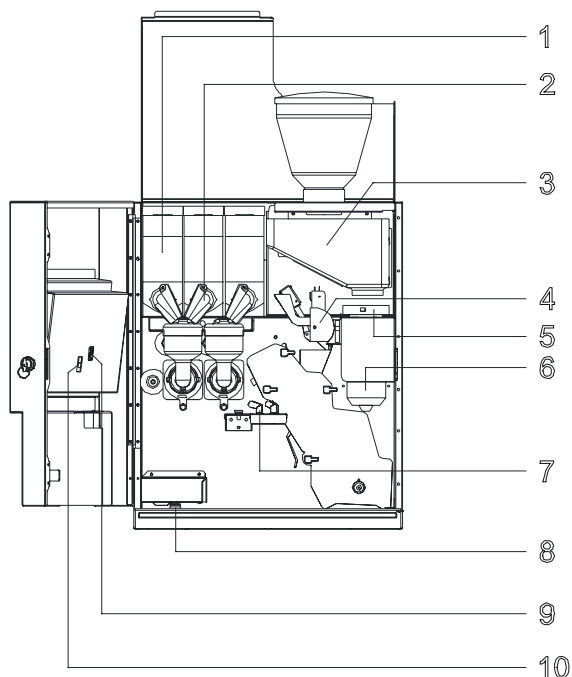


- 9** – Payment system wires hole connection
- 10** – Payment system fixing holes
- 11** – Liquid Crystal Display (LCD)
- 12** – Drink selection buttons
- 13** – Beverage dispense point

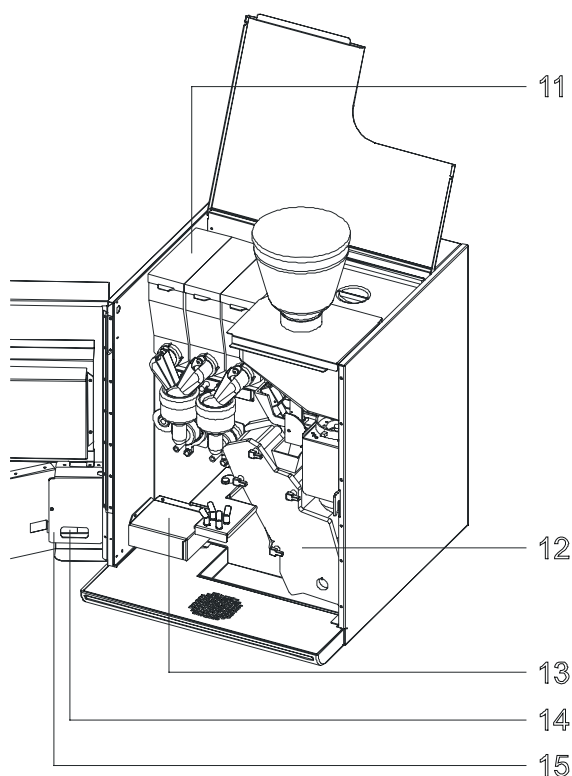
DESCRITPION



1.1.2 Internal description



- 1 – Soluble powder canister
- 2 – Soluble powder shutter
- 3 – Internal coffee beans hopper
- 4 – Coffee grinded dispenser
- 5 – Coffee grinder adjuster
- 6 – Coffee grinder motor
- 7 – Drink nozzles
- 8 – Drip tray float
- 9 – RJ45 plug for computer cable
- 10 – Programming button



- 11 – Soluble powder canister top lid
- 12 – Coffee group
- 13 – Drip tray float cover
- 14 – Cup sensor
- 15 – Cup sensor cover

1.2 Introduction

1.2.1 The Aroma 5500 coffee maker

The Aroma 5500 coffee maker is a fully automatic coffee maker machine, which in the basic version, can dispense pre-programmed coffee products through a height-adjust-able product outlet into the container. The beverage required is selected via twelve beverage selection buttons.

The Aroma 5500 coffee maker exhibits the latest marks of conformity, indicating that it satisfies the necessary certification standards.



1.2.2 "Raised bean hopper" option

A higher been hopper (a unit) can be placed on top of the bean hopper(s) to increase the coffee bean capacity.

1.2.3 "Modem connectivity" option

A regular or cellular modem kit can be allocated on the back of the machine to allow the download or upload of the computer board setting at every time.

1.2.4 "Water tank filter" option

A water filter can be installed in the inlet water valve situated on the back of the machine, below the tube coming from the water line.

1.3 Technical rates

1.3.1 Dimensions

Height: 575 mm
Depth: 530 mm
Length: 510 mm

1.3.2 Weight

The weight of the machine has to be considered without ingredients and water inside.

Weight: 45 Kg

1.3.3.Electric rates

Volts : 120 V ac or 230 V ac. 50/60 Hz (refer to the identification plate on the back of the machine)

Power : 1100 Watts

1.3.4 Machine identification

The identification plate is located on the back panel of the machine near the main switch.

A copy of the same identification plate is located inside the machine on the left wall opening the front door.

HLF ITALIAN DESIGN	HLF S.r.l. Via delle Industrie 21/A 31050 Ponzano Veneto Treviso - ITALY
Model : <input type="text"/>	
Code : <input type="text"/>	Electrical Marks
Serial N.: <input type="text"/>	
Date: <input type="text"/>	
Water Pressure: 0,1 to 0,6 Mpa Max	

1.4 Environmental conditions

1.4.1 Temperature and humidity

Operating and storage temperatures:

- min. + 5 °C
- max. + 25 °C

Operating and storage humidity:

- max. 80 %

Operating in case of frozen environment

- Is not allowed to use the machine in temperature below 0°C.

1.4.2 Space requirements

Minimum space required for operation:

- 180 mm from the top edge of the bean hopper must be kept clear to allow for replenishment of beans.
- 100 mm from the back panel to allow ventilation.
- 300 mm from the right side to allow cleaning of the coffee group and adjustment of the grinder's blades.



NOTE

The machine must be placed in vertical position for a correct operation.

2 Safety instructions

2.1 Warnings

2.1.1 Warnings symbols used

The following warnings symbols may be affixed to the equipment.



Low voltage

- Warning of dangerous electrical voltage.
- Electric shocks can lead to serious injury or death.
- Only authorised technical personnel may perform work on electrical installations.
- The technical safety instructions must be followed.
- Unplug equipment before carrying out any work on electrical installations.



Hot surface / hot internal components

- Warning of heat which could lead to injury.
- Allow hot surfaces and components to cool before carrying out any work on these component parts.
- If necessary, wear heat-resistant gloves.

2.1.2 Where warning symbols are located



NOTE

- The equipment comes supplied with warning symbols (stickers) affixed wherever appropriate.
- If any of the warning symbols should fall off during operation or following cleaning work, the operator must stick these warning symbols back again immediately.

2.1.3 Safety information in this Instructions Manual.

In this Instructions Manual, you will find the following three levels of safety information:

• Level 1



WARNING

- A warning refers to significant hazards. Errors in following the relevant safety instructions could lead to injuries or death.

Depending on the type of danger, instead of STOP, one of the following symbols could be combined with the word **WARNING**.



WARNING

- Warning of electric shock.



WARNING

- Warning of heat.

- **Level 2**



CAUTION

- The CAUTION symbol stresses important instructions. Errors in following these instructions could damage the equipment or other material assets.

- **Level 3**



NOTE

- Notes contain additional information aimed at raising the general level of safety and at lightening the user's workload.

2.2 Basic safety instructions

2.2.1 Proper use

2.2.1.1 General

Proper use includes, in addition to the specific provisions set out below, observing this Instructions Manual and complying with the supplier's obligatory maintenance and repair instructions.

2.2.1.2 Aroma 5500 coffee maker

The Aroma 5500 coffee maker is used solely to dispense coffee products, coffee and soluble powders combined products, soluble powder products and hot water. No other use of the Aroma 5500 coffee maker will be deemed to be proper.

2.2.2 Specific hazards and instructions

2.2.2.1 Aroma 5500 coffee maker



WARNING

- Never insert either the hands or any rod-shaped object into a bean hopper when the Aroma 5500 coffee maker is connected to the mains power supply.
- Only coffee beans may be introduced into the bean hopper.
- The machine must be located in places where authorized personnel can check it in every moment.
- Never unscrew the computer board placed behind the front door. This operation has to be done by authorized personnel only.
- Never unscrew the back panel of the machine. This operation has to be done by authorized personnel only.



WARNING

- Hot air comes out from the bottom of the steam outlet. There's danger of scalding.
(Only on the versions with automatic steam frother)
- The bottom of the steam pipe is hot after it has been giving off steam. There's danger of burns.
(Only on the versions with automatic steam frother)
- Hot liquid comes out from the bottom of the beverage outlet. There's danger of scalding.
- Hot liquid comes out from the bottom of the hot water outlet. There's danger of scalding.
- The bottom of the hot water outlet is hot after it has been dispensing liquid. There's danger of burns.



WARNING

- Never interfere with the electricity supply connection or modify it. This could result in fatal injuries.
- Never remove the screw mounted covers. There's danger of fatal injuries upon contact with live components.



NOTE

- Electrical equipment which does not have adequate electro-magnetic protection should not be operated close to the Aroma 5500 coffee maker.
- The drip tray serves solely to collect drip water. It must not be used as a sink.



CAUTION

- Only operate the Aroma 5500 coffee maker in covered locations, avoiding places where there's risk of water splash. There's risk of damage for the machine.
- Never spray the Aroma 5500 coffee maker with a water hose during cleaning. There's risk of damage.
- Always empty the coffee grounds container in the correct manner. There's danger of overflow.



WARNING

SAFETY INSTRUCTIONS

If handled improperly, the equipment could cause serious or fatal injuries. Anyone using and maintaining the equipment must have knowledge of the correct handling and of the equipment, and must have read and understood the safety instructions in this Instructions Manual before starting to use or maintain the equipment.



WARNING

Never modify or remove any safety mechanisms. Do not disable any safety mechanisms by modifying the equipment. If there are any warning symbols affixed to the equipment, never remove these. Replace any lost or defective warnings symbols immediately.



WARNING

Never operate the equipment in a damaged condition. Report any irregularities to your superior immediately, especially if they affect safety.

3 Installation

3.1 Transport

During the transport of the Aroma 5500 coffee maker is important to avoid the following operations:

- Turning the box upside down or lay it down on its side
- Dropping the box
- Exposing it to rain, excessive cold or heat, or damp places

3.1.1 Receiving the unit



NOTE

Before opening the box of the Aroma 5500 coffee maker, check out the packaging to be sure there is no damage.

If a damage is noticed, place a claim with the freight forwarder immediately.

Check for:

- Dents or damages of the box
- Wet areas
- Signs of tampering

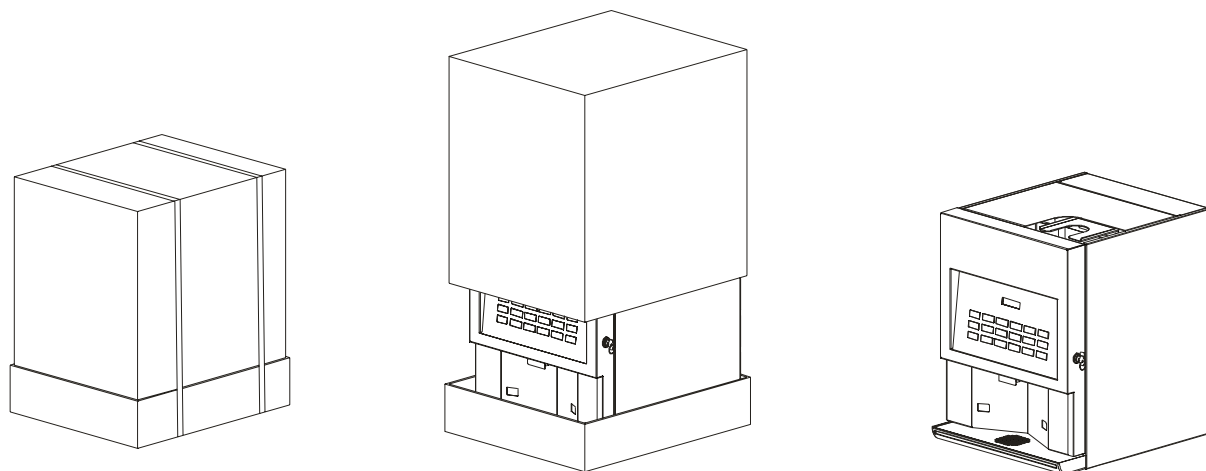
3.1.2 Un-packing

The Aroma 5500 coffee maker is packed in a strong carton specifically designed for this unit. This should protect the unit during the transportation.

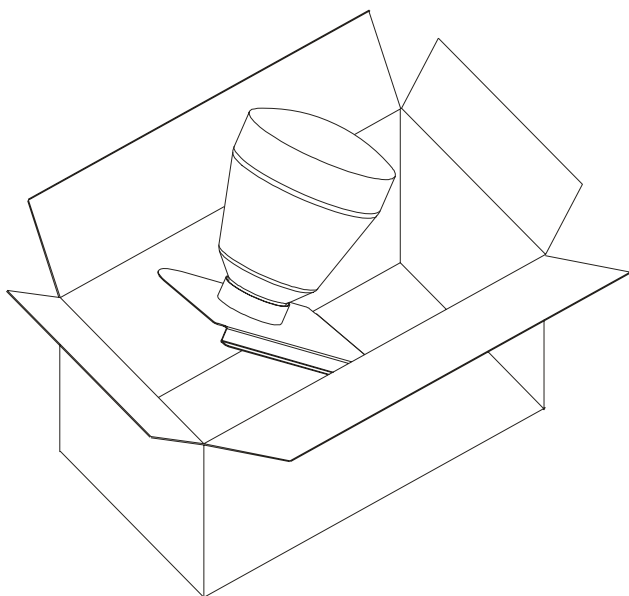
To further protect it, take out the unit from the box only when you have reached the location where the machine will be installed, and only after all the electrical and water connections are in place.

To take out the unit, you have to cut the black plastic strip, and take out the upper carton cover. Then you can take out the box all around the unit altogether with the white paper ball.

INSTALLATION

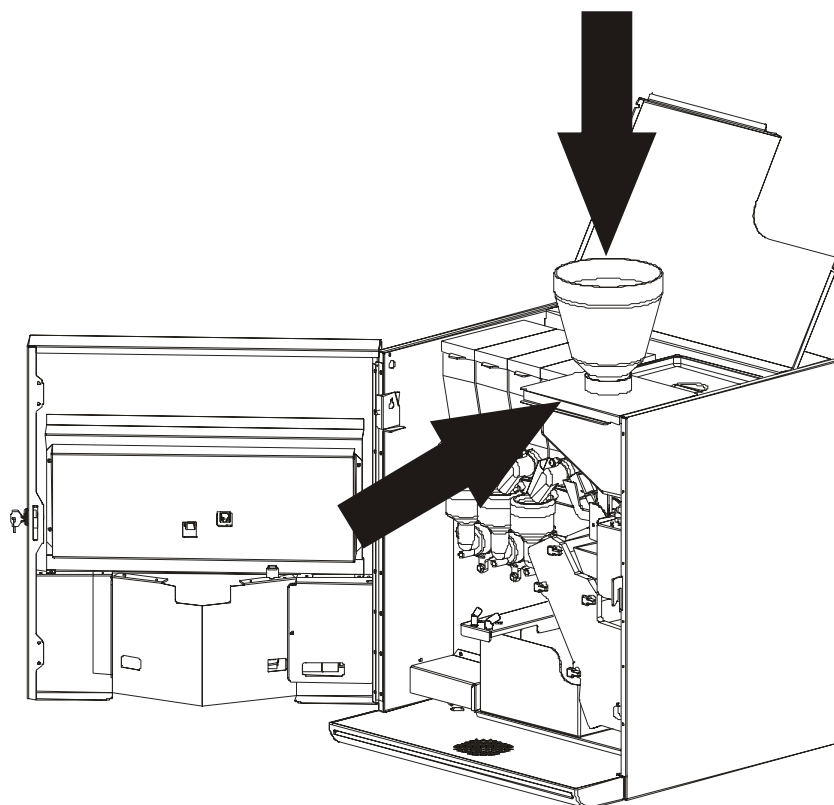


Along with the Aroma 5500 coffee maker package, is provided also a second box containing the external coffee beans hopper.



The external beans hopper is attached to the metal support, which is also part of the machine top lid.

Take out the entire assembly from the box and after have opened the top lid of the Aroma 5500 coffee maker, install the external coffee beans hopper as showed on the following picture.



CAUTION

The packing material must not be left accessible to others, as it is a potential source of danger. For the disposal contact qualified companies.

Now the unit is free and ready to be installed on a base, table or cabinet strong enough to hold 38 Kg.

3.1.3 Checking the internal of the unit

Open the front door and check if any damage is visible. If you see damages, call for technical service.



WARNING

Don't try to operate the Aroma 5500 coffee maker in case of presence of internal damages. Even if the damages are minimal, it's strongly recommended to leave the unit disconnected from the power supply and call the technical service.

3.1.4 Water connection

On the back of the Aroma 5500 coffee maker is located the inlet water valve that permits the connection of the machine to the direct water line. With this connection is not necessary to fill the internal water tank by hand.



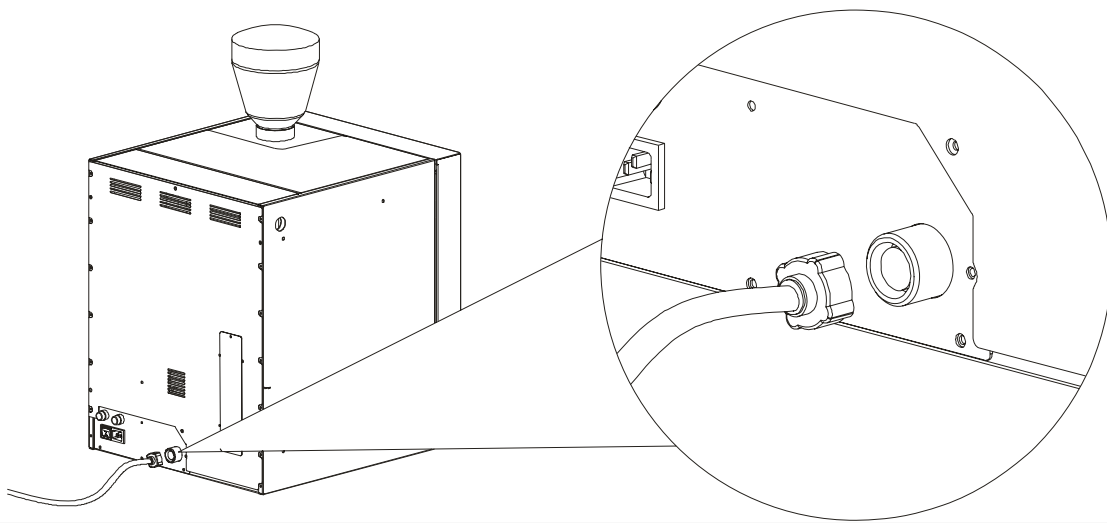
CAUTION

The maximum pressure of the water line has to be between 1 to 6 bar in order to prevent damages to the inlet water valve. A lower pressure will be not sufficient to open the inlet water valve, meanwhile a higher pressure will brake the valve causing in this way a water flood.

The rated pressure of the boiler is of 0.9 MPa.

Refer to the national laws of your country for the connection to the water line.

To connect the machine to the Aroma 5500 coffee maker, is necessary to use a tube with a female screw of $\frac{3}{4}$ of inch at each end of it, as showed on the following picture.



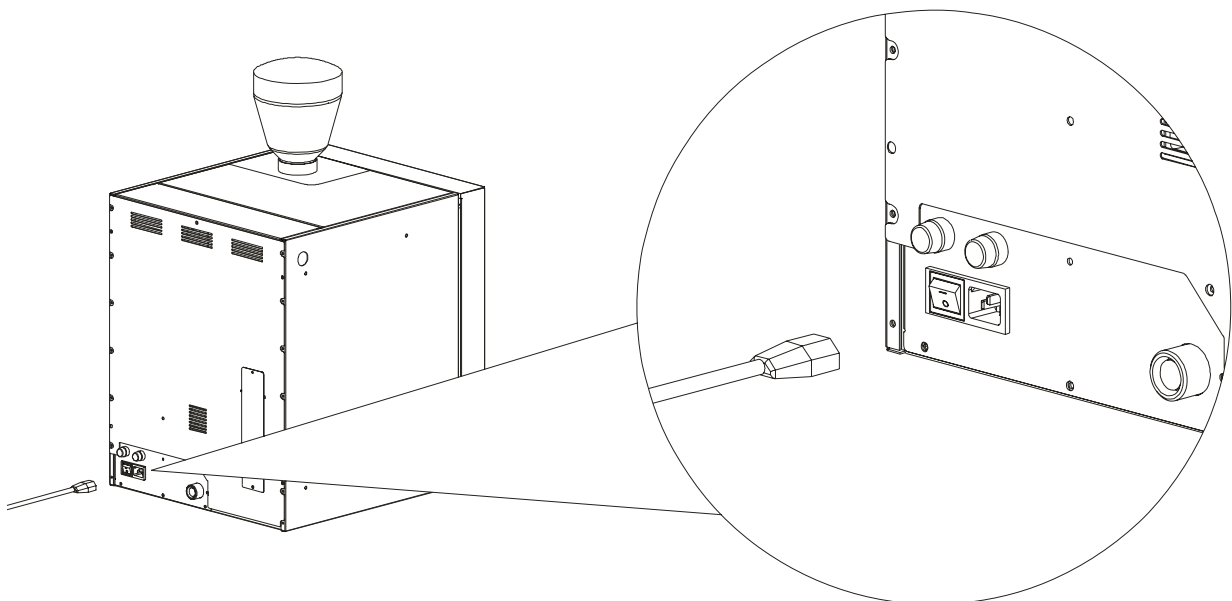


NOTE

After the water tube is strongly attached to the inlet water valve, leave the machine OFF and open the water to check the presence of any water loss, from the tube and from the connectors.

3.1.5 Electric connection

Insert the power cord on the back of the machine near to the main power switch.



WARNING

Insert the power cord inside a correct wall plug, without use any other electric adapter. Be sure to choose a wall plug with enough power to supply the unit and that it's grounded in observance with the current safety norms. Refer to paragraph 1.3.3 of this Instruction Manual to select the right wall plug.



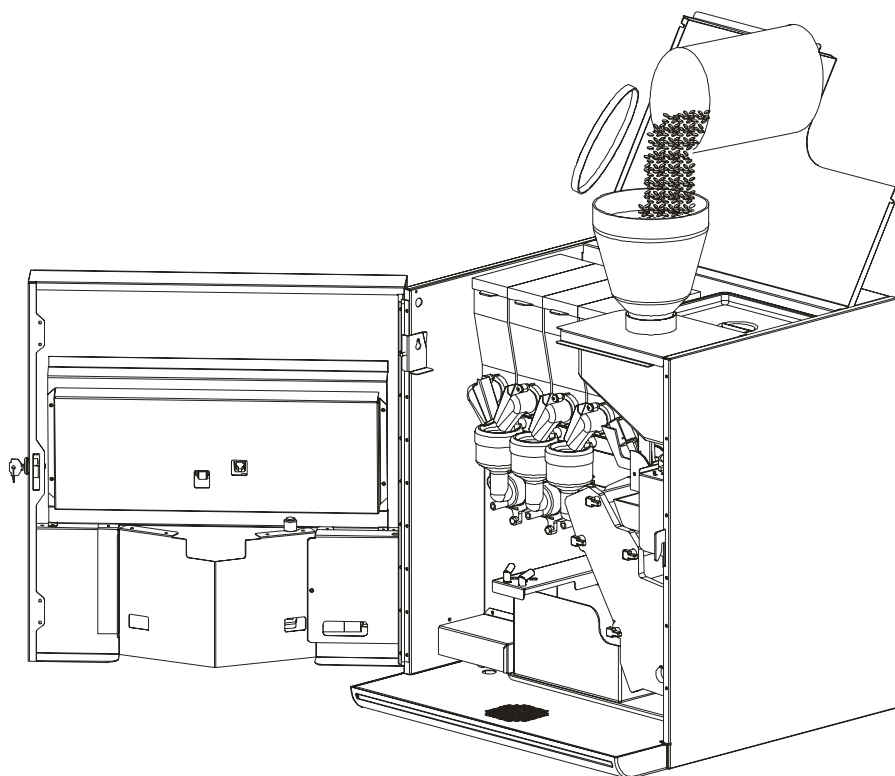
WARNING

THE USE OF EXTENSION CORDS, ADAPTERS AND/OR MULTIPLE PLUGS IS STRONGLY FORBIDDEN!

3.2 Start Up and Operation Mode

3.2.1 Loading products

Fill up the coffee beans hopper with fresh coffee beans. Pour the coffee beans from the external coffee beans hopper and during the process remember to open the beans stopper located at the bottom of the external coffee beans hopper.



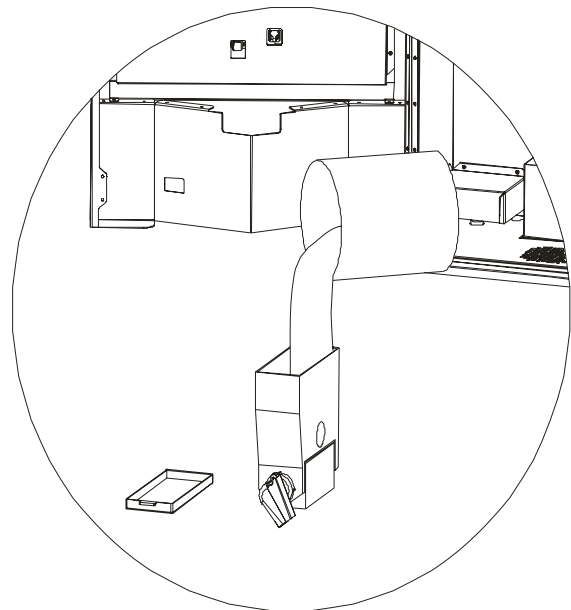
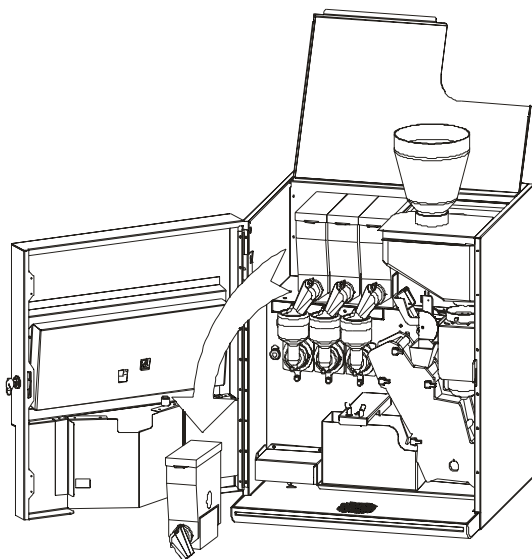


NOTE

It's recommended to use a mix of coffee beans for automatic coffee makers, to increase the life of the grinder's blades and also to get the best performance for the Aroma 5500 coffee maker.

For information refer to a coffee beans dealer.

With the front door and the top lid still opened, pull out the soluble powder containers to complete the filling process of the products.



NOTE

It's recommended to do always this operation taking the powder canister out of the machine, in order to keep the interior of the machine clean from dust.

3.2.2 Turning ON the unit

Turn on the unit by the main switch situated on the back of the Aroma 5500 coffee maker.

The message **Searching Coffee Group Position** will appear on the LCD display, and the coffee group gear-motor will start running.

Searching Coffee
Group Position

3.2.3 “Press Red Button” message

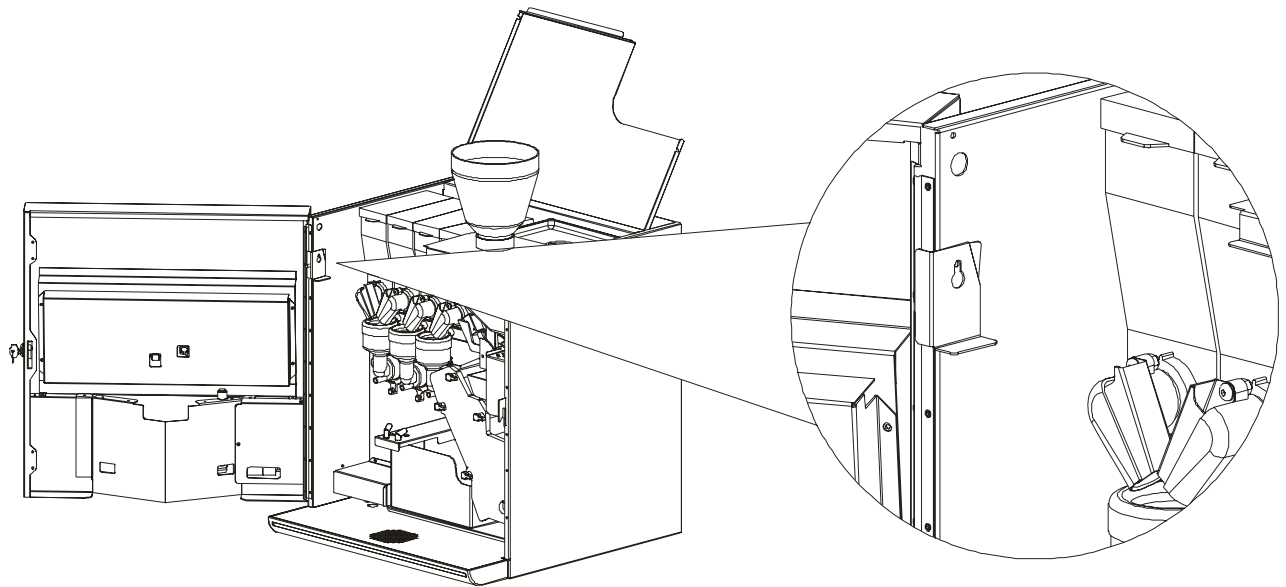
The following message will be **Press Red Button**. It means that the cleaning cycle has to be run in order to load water into all the hydraulic circuits.

Press Red Button

To do that is necessary to open the front door, but the Aroma 5500 coffee maker has mounted on the front door, a micro-switch able to detect the opening of those doors.

When a door micro-switch is activated the computer board of the machine turns OFF the drink selection panel, avoiding in this way any accidental starts of those mechanical parts that can provide serious injuries to the operator.

Just for this initial operation is necessary to put the micro-switch locker on the front door as showed on the picture below.

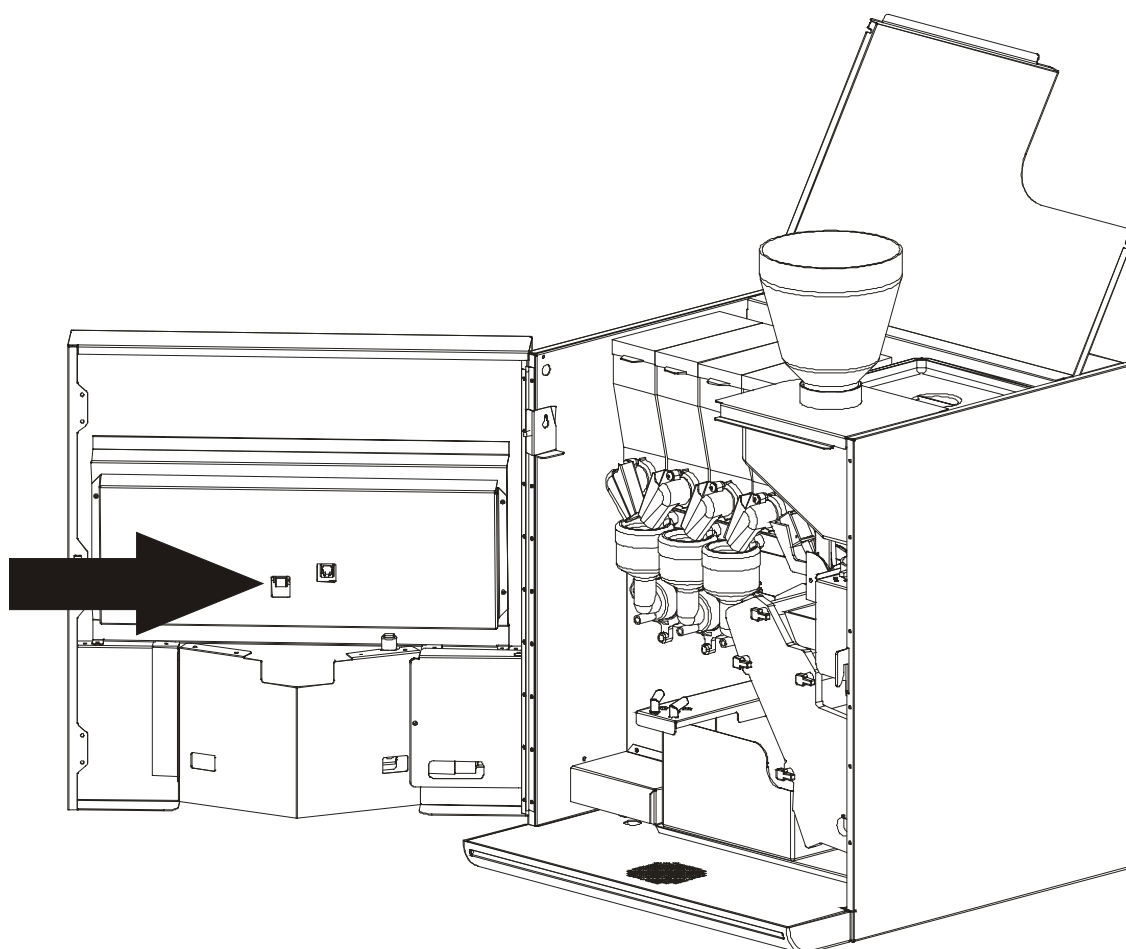


CAUTION

Only for this initial operation of filling the hydraulic circuit is allowed to insert the door micro-switch locker, otherwise the switch locker has never to be installed into the machine as showed above.

Once the first cleaning cycle is finished REMOVE the switch locker from the Aroma 5500 coffee maker.

Open the door and hold pushing the red button showed on the picture below, till the cleaning cycle starts.



If during this process the message **CAUTION Flow Meter K.O.** appears, turn OFF the machine for 3 seconds and then back ON to reset the computer

CAUTION
Flow Meter K.O.

Then re-start the cleaning cycle process, by pushing the red button again.

**NOTE**

If the message **Push Red Button** will not appear on the LCD display, run the cleaning cycle anyway, in order to make sure that all the hydraulic circuits are filled with water.

3.2.4 Initial heating

Once the cleaning cycle is finished, the message **Wait for Heating** will appear on the LCD display of the Aroma 5500 coffee maker.

Wait for Heating

The internal boiler is heating the water and this process will take around 5 minutes. When the message **Place Your Cup** will appear on the LCD display, the Aroma 5500 coffee maker is ready to work.

Place Your Cup

Close the front door and place your cup on the cup holder of the drip tray.

3.2.5 Adjusting the Coffee Grinder

At this point of the initial start up, the Aroma 5500 coffee maker is ready to dispense the first beverage and the factory recommends to start making a coffee as a first drink in order to adjust the grinder's blades.



NOTE

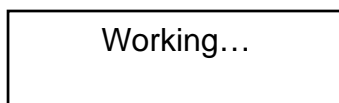
The Aroma 5500 coffee maker arrives with the blades of the coffee grinder almost opened in order to accept every kind of coffee beans used by the operator.

The reason of this factory action is to avoid any damage to the grinder's motor, because in presence of coffee beans too oily and with the blades position almost closed, the grinder's motor can stop working.

Each operator can put his own coffee beans into the Aroma 5500 coffee maker, therefore the factory ships all the machines with the blades opened to prevent any damage.

The solution to this eventual problem is to start making a coffee with the blades almost opened and check that all the process works without troubles.

Push the **Coffee** button to start the coffee drink process. The message **Working...** will appear on the LCD display.



Initially the grinder will start grinding the coffee beans, and after 10 seconds the coffee dispenser will dump the coffee grounded into the coffee group. This event is recognizable by the sound of three "knock".

Then the coffee group gear-motor will move the coffee group from the stand-by position into the brewing position, and the water pump will start running the hot water into it to make the coffee.

At this point is important to watch the speed of the coffee coming out from the drink's nozzle into the cup, in order to see if it's coming out fastly or slowly (almost dripping).

If the speed of the coffee is fast and at the end of the brewing there is no brown coffee cream on top of cup, it means that the grinder's blades are too opened and they need to be closed.

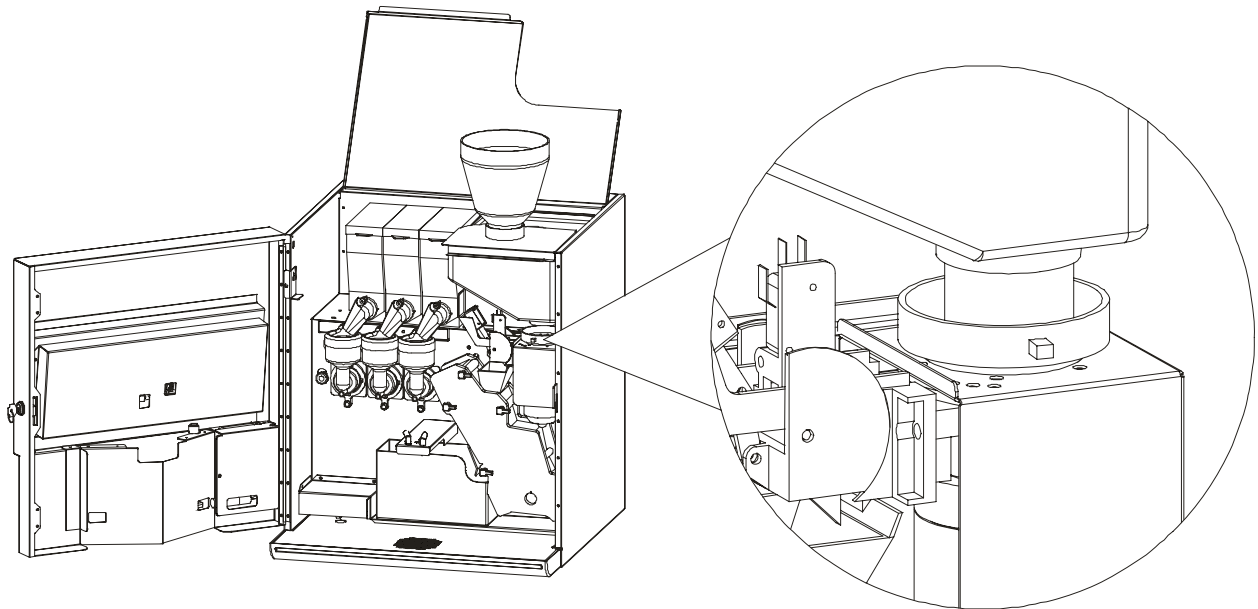
When the drink is finished the message **Take your Drink** will appear on the LCD display.

Take your Drink

And then the message **Place Your Cup** will appear again on the LCD display meaning that the Aroma 5500 coffee maker is ready to make another drink.

3.2.5.1 Closing the grinder's blades

Before starting a new drink open the coffee group door access and move the blades adjuster to the negative direction of one "*click*" as showed on the picture below.



Then push for another coffee and repeat the instructions at paragraph 3.2.6 to check the quality of the coffee.

3.2.5.2 Opening the grinder's blades

If during the time life of the Aroma 5500 coffee maker the operator changes the type of coffee normally used, it will be necessary to open the blades of the grinder and repeat the process illustrated at the paragraph 3.2.6.



NOTE

The different qualities of coffee beans available on the markets, are different not only in taste but also in formula, and this difference requires an accurate adjustment of the grinder's blades every time the coffee beans have been changed.

3.3 Changing the drink selection panel

The drink selection panel can be customized in accordance with the user / operator necessity. Given that the function of each drink button can be changed in order to make different drinks from the original factory setting, the selection panel can be printed out from a regular colour printer, and installed into the front door.

3.3.1 Getting a customized selection panel

Once all the changes are done on each drink button and pre-selection button (refer to paragraph 5.3.3 and 5.3.4 – chapter 5), contact the Service Support to get a new selection panel.

It's necessary to send to the Service Support a fax or an e-mail showing the new names of the drinks on each push button, to get back an e-mail containing a file to print out through a regular colour printer, having the new selection drink names on it.

In case of trouble printing out the file received, contact the Service Support to ask for a regular mail shipping.

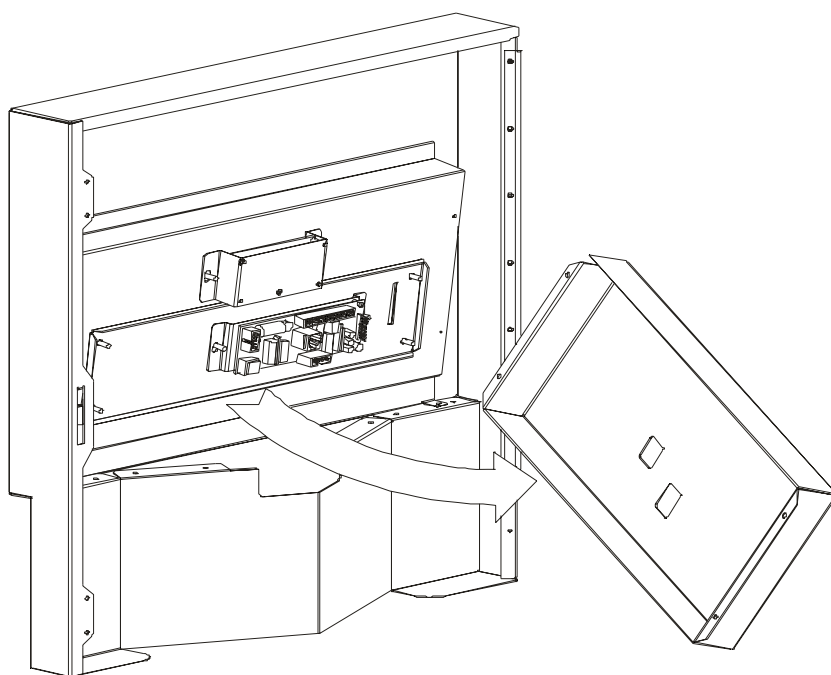
3.3.2 Installing the selection panel



ATTENTION

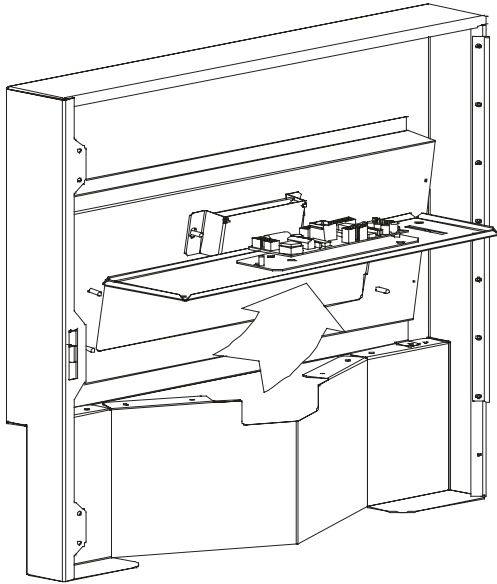
The following operations can be executed exclusively from authorized staff only and duly formed to proceed to such type of interventions.

Turn OFF the Aroma 5500 coffee maker and open the front door. Using a screw-driver, remove the four screws which hold the door computer board cover as showed on the picture below:

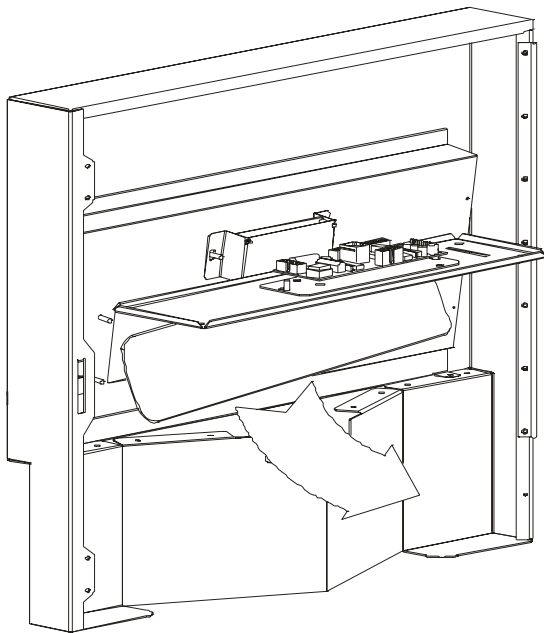


INSTALLATION

Unscrew the four nuts that hold the computer board bracket and lift it up as showed:



Pull out the drink selection panel as showed on the following picture:



Replace the new selection panel doing the reverse process.

4 Cleaning guide

4.1 Cleaning warnings



CAUTION

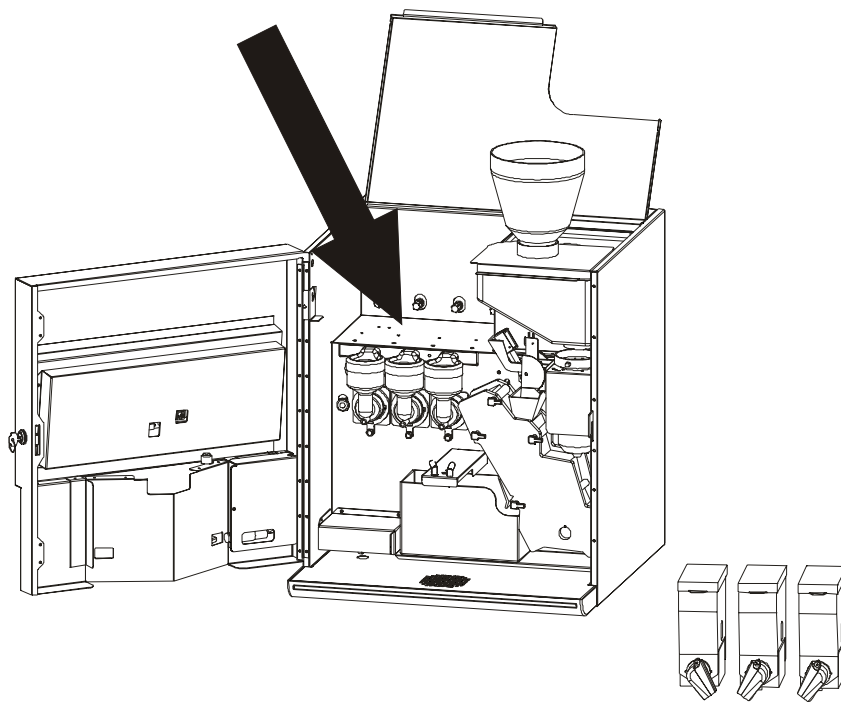
- Only use non-corrosive, non-abrasive ordinary cleaners.
- Only use non-abrasive cloths.
- Do not use any of the normal (rapid) decalcifying agents.

4.2 Instructions

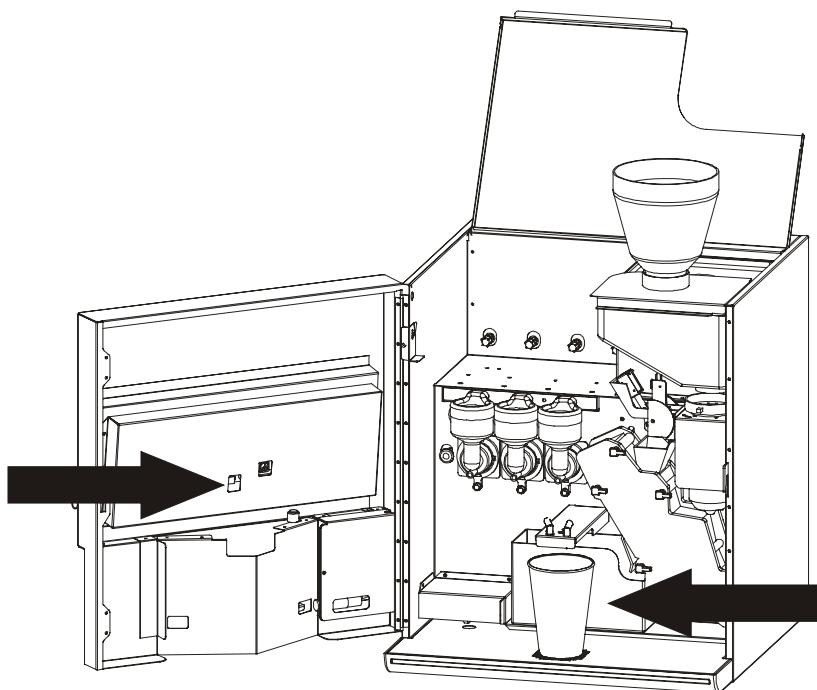


WARNING

- Turn OFF the Aroma 5500 coffee maker.
- Open the front door.
- Pull up the top lid.
- Clean all above
- Remove all the powder canisters
- Thoroughly clean areas where the powder canisters rest with sponge, hot water and detergent. Dry thoroughly.



- Put an empty cup or any other container under the drink nozzles and push the red button inside the door to start the cleaning cycle of the 3 drinks pipes and of the whippers.



- Remove the coffee grounds container and the drip tray. Place each unit under hot water and scrub thoroughly.
- Remove the coffee group and clean it
- With coffee group and the water tank still removed, wipe out all internal areas.
- Fill water container. Wipe exterior and dry.
- Wipe outside of unit with sponge. Dry.
- Place coffee group back. Seat properly.
- Put back the top lid and close the front door.
- Turn back ON the Aroma 5500 coffee maker.

4.3 How to remove and clean the coffee group

The coffee group is located on the front side of the Aroma 5500 coffee maker. It creates the espresso coffee by compressing the ground coffee beans into a “*puck*” and forcing the water to go through this “*puck*” that creates a perfect espresso.



CAUTION

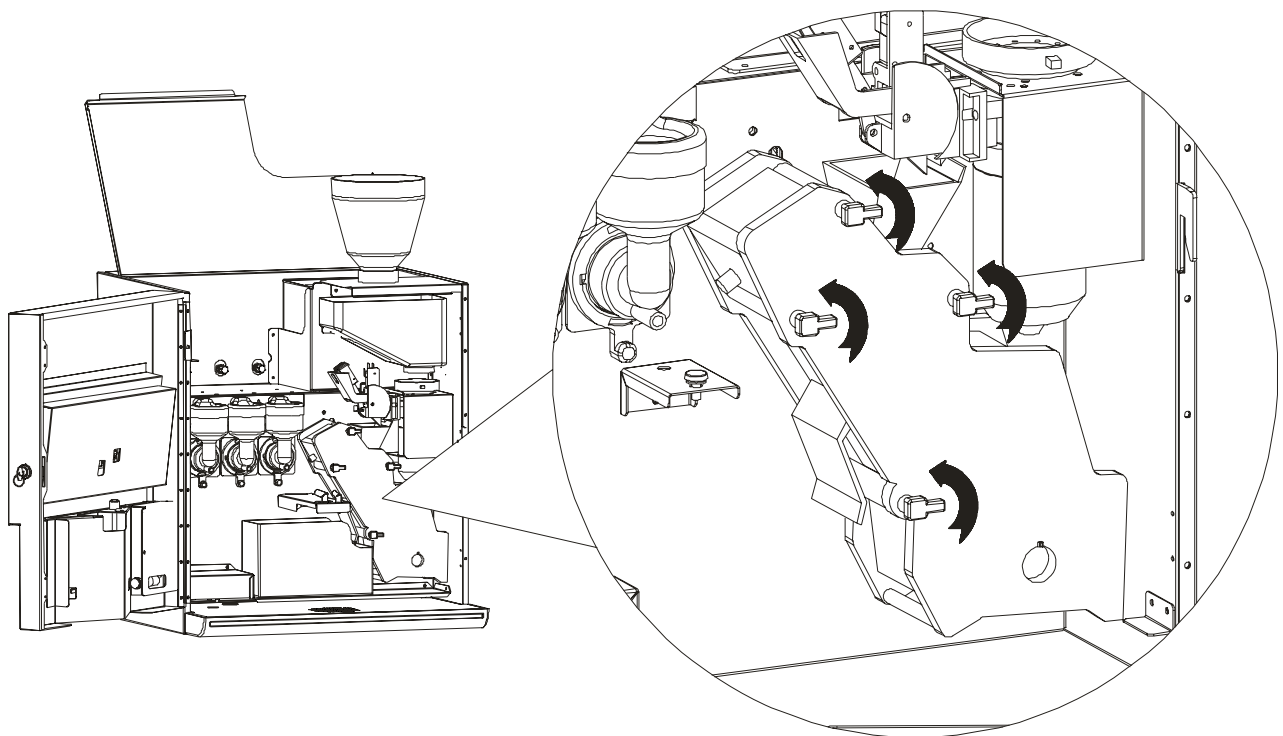
Turn OFF the Aroma 5500 coffee maker.

OPERATING THE COMPUTER SOFTWARE

To remove the coffee group it's necessary to remove the drink nozzle bracket first.

As described on the following picture, unplug all the drink pipes from the nozzles and loose the black knob that holds the stainless steel bracket.

To remove the coffee group, simply turn each of the four levers to the 12:00 position, take off the hose on the front of the coffee group, and pull it straight out.



Wash it only in hot water, without detergent. Dry thoroughly.

To replace it, reverse the process.

4.4 Conclusions

These operations must be carried out when the Aroma 5500 coffee maker is turned OFF and opened. Cleaning operations must be carried out before the products are loaded.



WARNING

Always disconnect the power before filling or cleaning operations interventions.



CAUTION

Make sure that all the tubes and components are properly back into their original position before turning back ON the unit.



NOTE

Keep the unit clean on a daily basis.

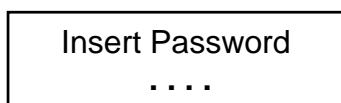
Properly adhering to the cleaning procedures presented in this manual will assure that the Aroma 5500 coffee maker will continue to work properly.

5 Operating the computer software

5.1 Gaining access to the machine software

With the programming procedures described in this section it is possible to set all the parameters relating to drinks and to the machines configuration.

Open the front door and push the red button for one second and release it. The message **Insert Password** will appear on the LCD display.



Insert the factory password using the drink selection buttons according with the number wrote on the right upper corner of each push button.



The factory password is: **1 1 1 1**.

Each time you press the button, the “*do!*” showed on the LCD display will change to an equal sign. After have pushed the number 1 four times, push it again one more time to access into the operating software of the Aroma 5500 coffee maker.

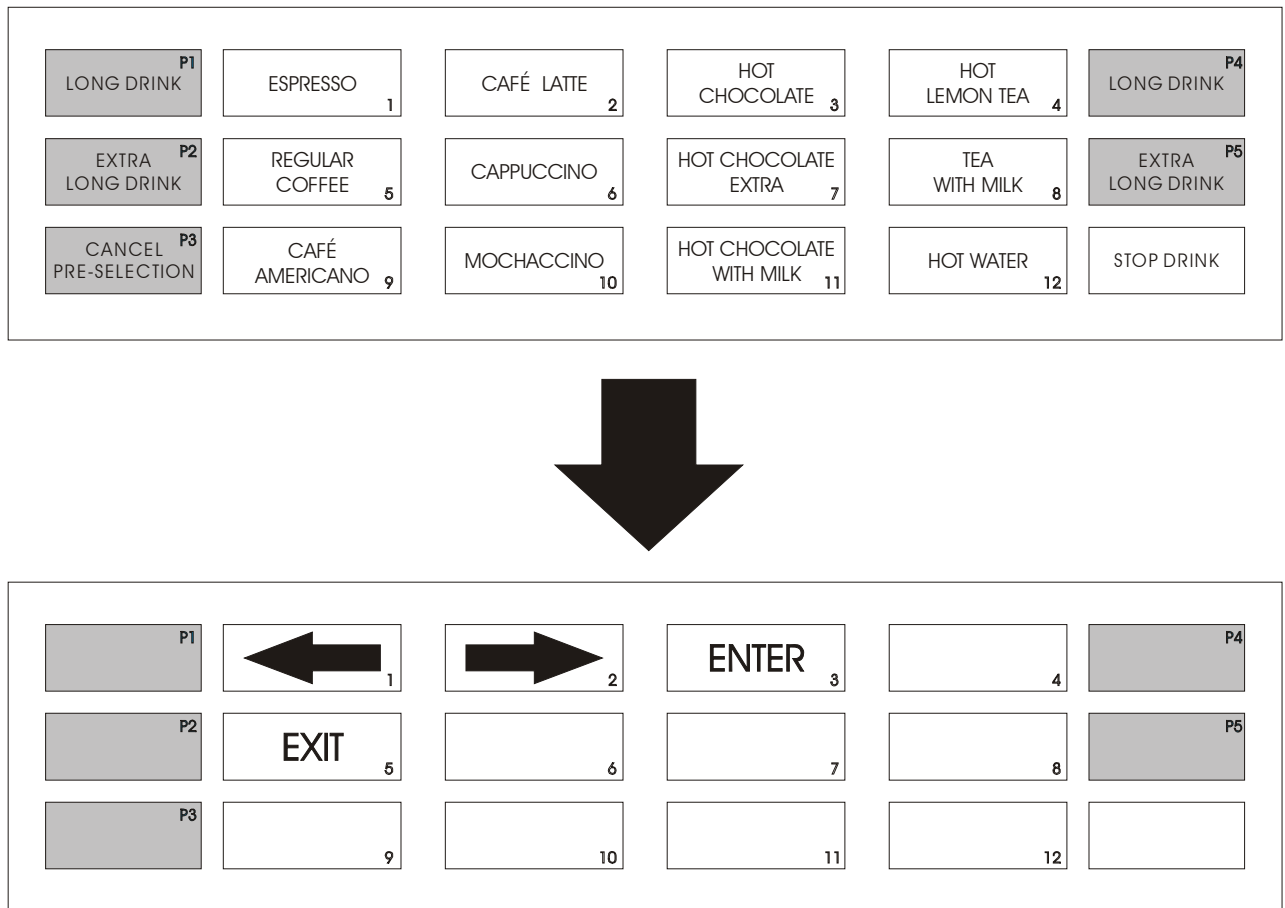
5.2 Programming Steps

Access into the software as described on previous paragraph 5.1. After the password check, the first message that will appear on the LCD display will be **P R O G R A M Drink Counters** .



At this point is important to know the map of the keyboard to move through the software.

The picture below shows the function associated to each push buttons to permit the entrance, the exit and the changes of the various software menu.

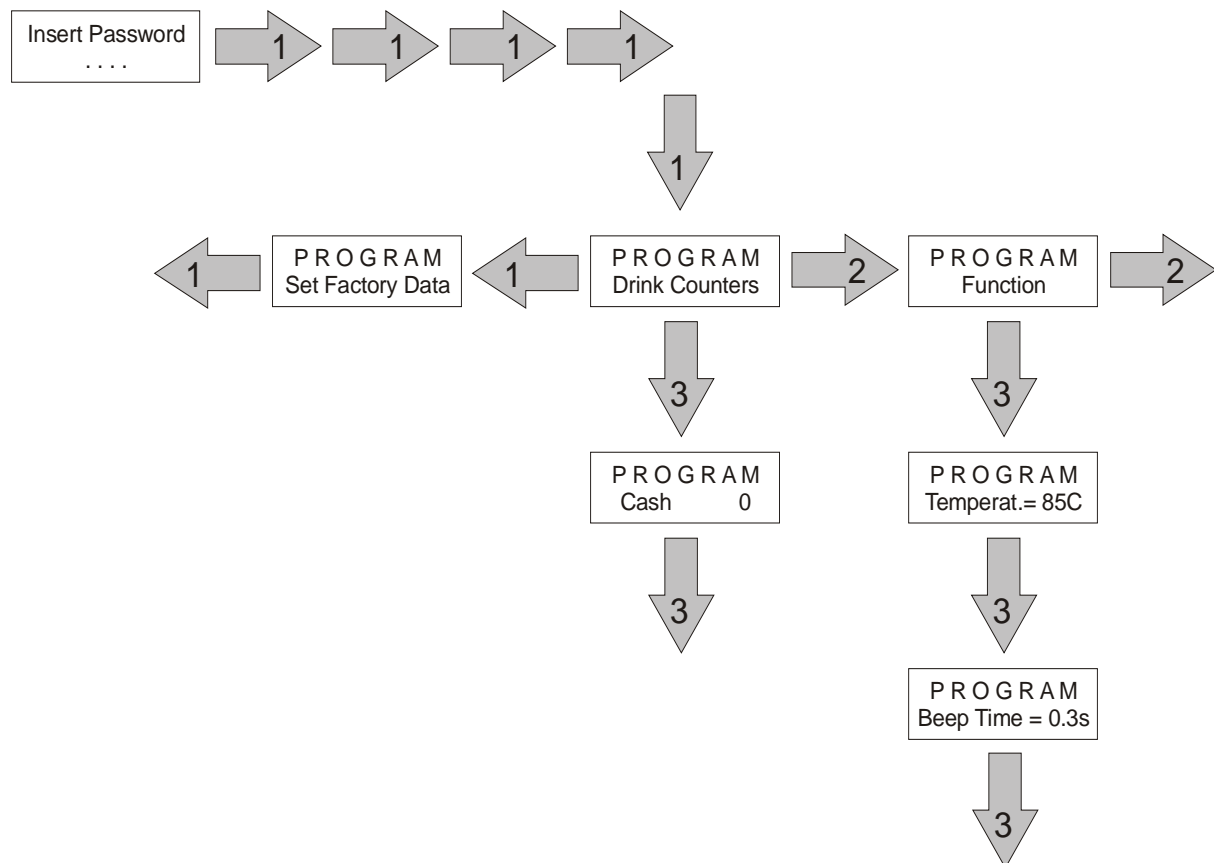


Buttons 1 and 2 are used to move forward or backward through the various programming functions. These buttons are also used to decrease and to increase the various product doses and water amounts.

Button 3 is to access into the menu once it appears on the LCD display. Button 3 is also used to confirm the changes done and to move a step forward.

Button 5 is used to exit a function and/or quit the programming function.

When leaving the programming function you hear two “beeps”. The following picture shows how to move through the software:



5.3 Programming Menu

These are the menu available scrolling buttons 1 or 2:

- **Drink Counters**
- **Function**
- **Drink Number 1 / 12**
- **PreSelection Key**
- **Money Value**
- **Drink Price**
- **Password**
- **Set Factory Data**

5.3.1 Drink Counters

This menu is used to retrieve the statistical data on the number of drinks served per selection.

When the display shows **P R O G R A M Drink Counters**, press button 3.

<p>P R O G R A M Drink Counters</p>

The display will change to **P R O G R A M Cash 0**. This identifies the amount of money in the cash box.

<p>P R O G R A M Cash 0</p>
--



NOTE

This function is used only on machines with payment systems.

Push again button 3 and the message **P R O G R A M Drink 1** X will appear on the LCD display.

P R O G R A M	
Drink 1	X

The “X” represents the number of drink 1 made till now. The count number can be reset to “zero” by pressing button 1.

By pushing again button 3, the software will pass to the next drink counter and so on till drink number 12. After the drink counter number 12, push again button 3 and the message **P R O G R A M Total** X will appear on the LCD display:

P R O G R A M	
Total	X

This is the total number of drinks served. The total count number can be reset to “zero” by pressing button 1.

By pushing again button 3 the message **P R O G R A M Archive** X will appear on the LCD display.

P R O G R A M	
Archive	X

This identifies the accumulated total drinks served since the Aroma 5500 coffee maker has been installed.



NOTE

This number **can not** be rest to “zero” or changed.

At this point the menu **Drink Counters** is finished. Push button 5 to quit and go to the next menu.

5.3.2 Function

This menu is used to set the generic functions of the Aroma 5500 coffee maker. Push button 1 or 2 till the display shows **P R O G R A M Function**.

P R O G R A M
Function

Pushing button 3 the message **P R O G R A M Temperat. = 85C** will appear on the LCD display.

P R O G R A M
Temperat. = 85C

This identifies the temperature set for the eating boiler. Using button 1 or 2 it is possible to decrease or increase the temperature. By pushing button 3 to get to the next message, the temperature change is automatically saved into the memory.

The message **P R O G R A M Filter Counter=0** will appear on the LCD display.

P R O G R A M
Filter Counter=0

This is the function that activates a counter that counts the amount of litres of water passed through the de-scaling water filter. By pushing button 1 or 2 is possible to change the value between 0, 1 and 2.

- If the value is 0 (*zero*) the counter is deactivated. The de-scaling water filter is not installed.
- If the value is 1 (*one*) the counter will count up to 50* litres before generating the message **C A U T I O N Check Filter** on the LCD display.

- If the value is 2 (*two*) the counter will count up to 1000** litres before generating the message **C A U T I O N Check Filter** on the LCD display.

* The option 1 (one) is for in-tank de-scaling water filters (refer to local distributor for more information).

** The option 2 (two) is for direct water line connection de-scaling filters (refer to local distributor for more information).

When the message **C A U T I O N Check Filter** will appear on the LCD display, is necessary to change the de-scaling water filter with a new one. The re-set the counter, open the front door and push the red button.

By pushing button 3 the message **P R O G R A M Beep Time = X s** will appear on the LCD display.

P R O G R A M
Beep Time = X s

This assigns a length of time to the “*beep*” heard at the end of a drink cycle. It can be changed. Push buttons 1 or 2 to increase or decrease the time value.

By pushing button 3 the message **P R O G R A M Cup Sensor ON=Y** will appear on the LCD display.

P R O G R A M
Cup Sensor ON=Y

This operates the cup sensor. It is possible to enable or disable the switch, with YES or NO, using buttons 1 or 2.

By pushing button 3 the message **P R O G R A M Blower Always ON=Y** will appear on the LCD display.

P R O G R A M
Blower Always ON=Y

This operates the fan installed inside the machine to take out the humidity from the machine. It's important to keep the internal of the machine almost dry in order to prevent the coagulation of the instant soluble powders, which are very sensitive to dampness.

If this function is activated, the aspiration fan works all the time, while if this function is deactivated, the aspiration fan will work only for the entire time of the drink process and for the 90 seconds after the drink is finished.

Keeping the aspiration fan activated all time is recommended for those locations with high humidity, for all the other locations it's not necessary.

It is possible to enable or disable the switch, with YES or NO, using buttons 1 or 2.

By pushing button 3 the message **P R O G R A M Tray Sensor ON=Y** will appear on the LCD display.

<p>P R O G R A M Tray Sensor ON=Y</p>

This operates the drip tray switch. It is possible to enable or disable the switch, with YES or NO, using buttons 1 or 2.

At this point the menu **Function** is finished. Push button 5 to quit and go to the next menu.

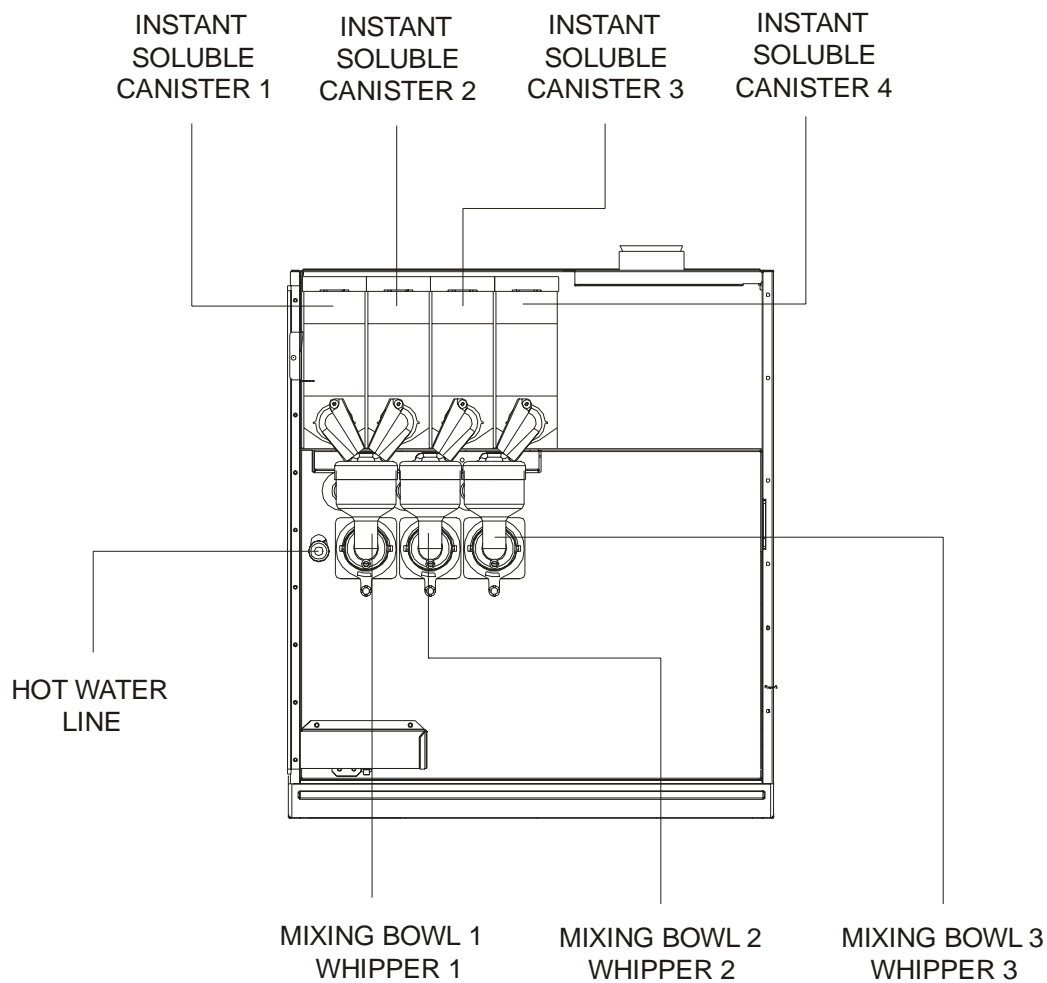
5.3.3 Drink Number 1

This menu is used to set the quantity of product, water and coffee throws related to the first drink selection (selection button number 1).

This menu is the same for all the 12 drinks, and inside each drink menu it's possible to use all the products available on the machine.

The following picture shows the names of each component, in order to understand better the meaning of the definitions like mixing bowls, whipper, etc.

OPERATING THE COMPUTER SOFTWARE



Push button 1 or 2 till the message **P R O G R A M Drink Number 1** will appear on the LCD display.

P R O G R A M
Drink Number 1

Push button 3 to access into this menu and the message **P R O G R A M Soluble 1 = X** will appear on the LCD display.

P R O G R A M
Soluble 1 = X

This is the amount in seconds of instant soluble powder from the canister number 1 (first from left. See paragraph 1.1.2, Chapter 1) used to make the drink. By pushing buttons 1 or 2 it's possible to increase or decrease the amount of seconds.

By pushing again button 3, the message **P R O G R A M Delay S 1 = X** will appear on the LCD display.

P R O G R A M
Delay S 1 = X

This is the delay time that is possible to set before having instant soluble powder falling into the mixing bowl. By pushing buttons 1 or 2 it's possible to increase or decrease the seconds of delay.



NOTE

Keep this delay to 1 seconds to avoid clogging on the mixing bowl.

By pushing again button 3, the message **P R O G R A M Water 1 = X** will appear on the LCD display.

P R O G R A M
Water 1 = X cc

This is the amount of water in cc used to melt the instant soluble powder from the canister number 1. By pushing buttons 1 or 2 it's possible to increase or decrease the value.

By pushing again button 3, the message **P R O G R A M Delay W 1 = X** will appear on the LCD display.

P R O G R A M
Delay W 1 = X

This is the delay time that is possible to set before having the water 1 falling into the mixing bowl. By pushing buttons 1 or 2 it's possible to increase or decrease the seconds of delay.



NOTE

This delay has to be used only in case of special recommendation from the supplier of the instant soluble powders. Normally keep it at zero.

By pushing again button 3, the message **P R O G R A M Whipper 1 = X** will appear on the LCD display.

P R O G R A M
Whipper 1 = X

This is the amount of time in seconds to operate the whipper that mix the water 1 and the instant soluble powder number 1, inside the mixing bowl number 1. By pushing buttons 1 or 2 it's possible to increase or decrease the value.

By pushing again button 3, the message **P R O G R A M Delay Wh 1 = X** will appear on the LCD display.

P R O G R A M
Delay Wh 1= X

This is the delay time that is possible to set before operating the whipper 1 By pushing buttons 1 or 2 it's possible to increase or decrease the seconds of delay.

By pushing again button 3, the message **P R O G R A M Soluble 2 = X** will appear on the LCD display.

From this point the software will show the same titles showed for the instant soluble powder number 1, and it will be the same also for the instant soluble powder number 4. Follow the descriptions above to set all the numbers.

By pushing again button 3, the message **P R O G R A M Water 5 = X** will appear on the LCD display.

P R O G R A M
Water 5 = X

This is the water amount in cc to dispense through the hot water line. By pushing buttons 1 or 2 it's possible to increase or decrease the amount.

By pushing again button 3, the message **P R O G R A M Coffee = X** will appear on the LCD display.

P R O G R A M
Coffee = X

This is the water amount in cc used to brew the coffee through the coffee group. By pushing buttons 1 or 2 it's possible to increase or decrease the amount.

By pushing again button 3, the message **P R O G R A M Long Drink X %** will appear on the LCD display.

P R O G R A M
Long Drink X %

This is the percentage that the software will use to increase the amount of the drink 1 when the pre-selection button **Long Drink** will be pushed before pushing the **Drink 1** button. All the amounts saved in this menu will be increased according with this percentage.

By pushing again button 3, the message **P R O G R A M Extra Long Drink X %** will appear on the LCD display

P R O G R A M
ExtraLong Drink X%

This is the percentage that the software will use to increase the amount of the drink 1 when the pre-selection button **Extra Long Drink** will be pushed before pushing the **Drink 1** button. All the amounts saved in this menu will be increased according with this percentage.

By pushing again button 3, the message **P R O G R A M Select Water 2=1** will appear on the LCD display

P R O G R A M
Select Water 2=1

This is the function to select which mixing bowl should be used for the soluble powder coming from the canister number 2. By pushing buttons 1 or 2 is possible to switch it between 1 and 2.

By pushing again button 3, the message **P R O G R A M Select Water 3=2** will appear on the LCD display

P R O G R A M
Select Water 3=2

This is the function to select which mixing bowl should be used for the soluble powder coming from the canister number 3. By pushing buttons 1 or 2 is possible to switch it between 2 and 3.

At this point the menu **Drink 1** is finished. Push button 5 to quit and go to the next menu.



NOTE

All the drinks menu are the same from number 1 to number 12, which means that each drink button can be adjusted according with the operator necessity. From the factory the Aroma 5500 coffee maker comes with a setting inside the memory, which assigns a type of drink to each button, but this setting can be changed at any time to please the requirements of the user.

5.3.4 PreSelection key

This menu is used to assign various options to the blue buttons on the front of the selection panel (first column on the right and last column on the left).

Push button 1 or 2 till the message **P R O G R A M PreSelection Key** will appear on the LCD display.

P R O G R A M
PreSelection Key

Push button 3 to gain into this menu and the message **P R O G R A M Key1 = Cancel** will appear on the LCD display.

P R O G R A M
Key1 = Cancel

This is the pre-selection key number 1 which is located on the first blue column on the left side of the drink selection panel. By pushing buttons 1 or 2 it's possible to assign to it a function to do when it will be pushed.

The available functions are:

- **Unused.** With this function the pre-selection button is de-activated.
- **Long Drink:** With this function the pre-selection button will work as long drink (refer to paragraph 5.3.3, chapter 5).
- **Extra Long Drink:** With this function the pre-selection button will work as extra long drink (refer to paragraph 5.3.3, chapter 5).
- **Cancel:** With this function the pre-selection button will work as a cancel to erase a previous pre-selection pushed by accident. Push the pre-selection button with this function the drink will be served as a regular drink with no changes.

Each change has to be confirmed by pushing button 3, which is going also to switch to the next pre-selection button.

After the five pre-selection buttons, menu **PreSelection Key** is finished. Push button 5 to quit and go to the next menu

5.3.5 Money Value

This menu is used to control a coin mechanism that can be attached on side of the machine as an option, to accept coins or tokens, before dispensing a drink.

Push button 1 or 2 till the message **P R O G R A M Money Value** will appear on the LCD display.

<p>P R O G R A M Money Value</p>

Push button 3 to gain into this menu and the message **P R O G R A M D.Point 1000** will appear on the LCD display.

<p>P R O G R A M D.Point 10.00</p>
--

This is the function to set the decimal point used on the currency that the coin mechanism will accept. By pushing buttons 1 or 2 it's possible to move the dot between the digits.

By pushing again button 3, the message **P R O G R A M Coin Mul X.X** will appear on the LCD display.

<p>P R O G R A M Coin Mul X.X</p>

This is the minimum coin accepted by the coin mechanism installed. This is going to work as multiplier for all the coins saved on the next steps. Push button 1 or 2 to change the value.

By pushing again button 3, the message **P R O G R A M Coin 1 X.X** will appear on the LCD display.

P R O G R A M Coin 1 X.X

This is the value of the coin accepted from the coin mechanism on channel 1.



NOTE

Refer to the coin mechanism Instructions Manual to get the channels table.

Push buttons 1 or 2 to change the value and push button 3 to save it into the memory. Repeat the process for all six coins.

At this point the menu **Money Value** is finished. Push button 5 to quit and go to the next menu.

5.3.6 Drink Price

This menu is used to set a vend price to each drink when the coin mechanism is on one side of the machine. Push button 1 or 2 till the message **P R O G R A M Drink Price** will appear on the LCD display.

P R O G R A M Drink Price

By pushing again button 3, the message **P R O G R A M Drink 1 X** will appear on the LCD display.

P R O G R A M Drink 1 X

This is the price to assign to each drink once the coin mechanism is installed on the side of the Aroma 5500 coffee maker. Push buttons 1 or 2 to change the value.
Push button 3 to save changes and step to the next price till drink number twelve.

At this point the menu **Drink Price** is finished. Push button 5 to quit and go to the next menu.

5.3.7 Password

This menu is used to change the password that is requested to access into the software of the Aroma 5500 coffee maker.

Push button 1 or 2 till the message **P R O G R A M Password** will appear on the LCD display.

<p>P R O G R A M Password</p>

By pushing again button 3, the message **P R O G R A M Password= 1111** will appear on the LCD display.

<p>P R O G R A M Password= 1111</p>

This is the current password assigned by the factory. It can be changed using the drink buttons on the drink selection panel. The combination of the numbers from 1 to 8 can be used to create a new password.

To set the password insert four digits and push button 3 to save the new password into the memory, and to quit the menu.



WARNING

Inside this function, any buttons can be used to create a new password, therefore is very easy to push a button by mistake and create accidentally a new password which is going to be requested the next time, that it will be necessary to gain into the software. Unless is necessary to change the password, quit this menu by pushing the red button inside the front door, in order to prevent accidental mistakes.

5.3.8 Set Factory Data

This function is used to re-set the memory of the Aroma 5500 coffee maker to the original factory setting. Push button 1 or 2 till the message **P R O G R A M Set Factory Data** will appear on the LCD display.

P R O G R A M
Set Factory Data

Pushing button 3 the message **P R O G R A M Key 1 to Confirm** will appear on the LCD display.

P R O G R A M
Key 1 to Confirm

By pushing the drink button number 1 the memory of the Aroma 5500 coffee maker will be re-set to the factory setting. Any other button will quit the function.



WARNING

This function has to be used only in those cases where the operator is not able to get the result desired after the changes done to the setting by himself. Using this function all the numbers changed till now will be lost.

This is the last menu of the software. Pushing button 1 or 2 the next menu will be again **P R O G R A M Drink Counters**, which is the first menu described on paragraph 5.3.1.

Push button 5 to exit the software mode and get back to the operation mode.

6 Daily maintenance Check list

6.1 Check list

This check list is the summary of the operations to do on a daily base to maintain the Aroma 5500 coffee maker in a perfect state ready to be used:

- ✓ Bean hopper filled with coffee beans
- ✓ Coffee grounds container emptied and cleaned
- ✓ Area under coffee group cleaned
- ✓ Water tank filled with fresh water
- ✓ Instant powder canisters filled
- ✓ Area under the powder canisters cleaned
- ✓ Drip tray emptied and cleaned
- ✓ Area above drip tray cleaned
- ✓ Outside cleaned and dusted

7 Inactivity

In case of long inactivity of the coffee machine it is necessary to carry out certain preventive operations:

- ✓ Turn OFF the Aroma 5500 coffee maker.
- ✓ Disconnect the power cord from the wall plug.
- ✓ Empty coffee beans from the coffee beans hopper.
- ✓ Empty the water tank.
- ✓ Empty the instant powder canisters.
- ✓ Store in rooms with the environment requirements necessary (refer to paragraph 1.4, chapter 1).

8 Disposal

The following requirements must be observed in the case of disposal.



WARNING

Persons who satisfy the necessary qualification and training requirements may only carry out disassembly and disposal of the equipment.



NOTE

Information on disposal organisations and collection points can be obtained from your local administrative authority.

During disposal, it is necessary in any case to comply with the pertinent national and regional laws and directives.

The machines do not contain any materials whose disposal requires special approval.

- Disconnect equipment from power.
- Remove any product raw materials, such as coffee beans and instant soluble powders, from the equipment.
- Empty coffee grounds container.
- Take the equipment apart.
- Recycle individual parts according to material type.
- Dispose of non-recyclable materials according to type.

9 Guarantee, consumables, spare parts, ordering procedure

9.1 Guarantee

We guarantee the trouble-free function of this machine for 12 months or a maximum 100'000 beverage dispenses. The start of the guarantee period is the day of installation.

During the guarantee period any defects, which can be traced back to material faults, defective workmanship or faulty construction, will be rectified free by us or by a company authorized by us. The precondition here is the proper use and correct handling of the machine according to the relevant descriptions in this operating manual.

Accordingly we will not accept any liability for the following cases:

- Faults caused by contamination as a result of improper cleaning (e.g. blocked valves or mixer)
- Faults due to lime scale build-up or other deposits when operated with water softening equipment (e.g. boiler or water pumps)
- Faults due to excess electrical voltages (e.g. burned computer boards)

We will accept no liability for damage to all devices arising from poor maintenance and care by the customer. We will accept no liability for defects and faults in our equipment, which can be traced back to inexperienced repairs or the installation of spare parts which do not correspond with the original versions. Normal wear of all parts, which are subject to natural wear, is excluded from the guarantee.

This includes:

- Seals
- Filters
- Complete piston spray
- Complete piston plunger
- Paint coatings
- Grinding discs
- Hoses for the peristaltic pump

To validate the guarantee claim the defective part must be returned to the manufacturer. After inspecting the returned part the manufacturer reserves the right to reject a guarantee claim if one of the conditions referred to above exists.

The acceptance of a guarantee claim for damage due to a fault is only possible following the written report of the manufacturer. Quality settings, which were not carried out on the basis of the fault, are excluded from the guarantee. Any work carried out during the guarantee period will not extend its term.

9.2 Consumables, spare parts, ordering procedure

This normally affects service technicians, third-party customers or resellers.

To avoid misunderstandings when ordering consumable materials or spare parts, we request that you always provide the following data with your order:

- Device identification according to the type plate.
- Description and article number of the consumable material or spare part.
- Quantity of the required consumable materials or spare parts.

Device-specific consumable materials or spare parts must only be procured from the customer service location in the respective country. Only device-specific spare parts made by the manufacturer are to be used.

The manufacturer rejects any liability for the situation in which it is found that non device-specific spare parts have been installed in the respective machine.

10 Troubleshooting

During operation, the computer board monitors the operating status continually. Faults are displayed on the LCD display. In case of malfunctions, the user / operator can intervene in accordance with the procedures described in this chapter and attempt to troubleshoot the problem.

10.1 Checklist for fault diagnosis and troubleshooting

Error messages	Cause of fault	Troubleshooting measure(s)
C A U T I O N No Coffee	Coffee beans hopper empty	Re-fill coffee beans hopper with fresh coffee beans
C A U T I O N Flow Meter K.O.	1- The grinder is adjusted to grind the coffee too fine 2- The flow-meter that count the cc of water is damaged	1- Open the grinder adjuster (refer to paragraph 3.2.6.2 chapter 3) 2- Contact the Service and Support
C A U T I O N Drip Tray Full	The drip tray is full of waste water	Remove the tray, empty and clean it. Check if the drip tray micro switch is free to move up and down Check if the plastic float inside the drip tray is free to move
C A U T I O N Door Open	The front door or the coffee group access door is open	Close the doors
C A U T I O N Check Filter	The de-scaling filter is exhaust	Change the de-scaling filter, open the front door and push the red button
C A U T I O N Grounds Drawer	The coffee grounds drawer is full.	Empty the coffee grounds drawer, open the front door and push the red button

Error messages	Cause of fault	Troubleshooting measure(s)
C A U T I O N Check Water	<ol style="list-style-type: none">1. The water line is close or the water runs very slowly.2. There is no water line connection and the internal water tank is empty3. The inlet water valve is damaged	<ol style="list-style-type: none">1. Open the water line valve or contact the plumbing department2. Pour more fresh water into the internal water tank. (refer to paragraph 3.2.1 chapter 3)3. Contact the Service and Support for replacement
C A U T I O N Temp. Sensor	The temperature probe attached on the boiler is out of service	Contact the Service and Support for replacement
C A U T I O N Serial Time Out	The main computer board on the back of the machine is not in connection with the front door computer board	Contact the Service and Support

11. Software Table

